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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

DENNIS P. CURRAN et al.

Serial No. 10/655,916

Filed: September 5, 2003

Art Unit: 1625

Examiner: BA K TRINH

Atty Dock No.: 02-028

ANALOGS OF DISCODERMOLIDE AND
DICTYOSTATIN-1, INTERMEDIATES
THEREFOR AND METHODS OF
SYNTHESIS
THEREOF

Pittsburgh, Pennsylvania 15219
November 9, 2005

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

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<i>Henry E. Bartony, Jr.</i>
Henry E. Bartony, Jr., Registration No 34, 772
November 9, 2005 Dated

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INFORMATION DISCLOSURE STATEMENT

In compliance with Applicant's duty of disclosure under 37 C.F.R. § 1.56, Applicants submit the attached forms PTO/SB/08A and PTO/SB/08B listing publications for consideration by the Examiner. Kindly, make these publications of record in the file of the application.

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STATEMENT OF RELEVANCY

The relevance of the publications listed on attached forms PTO/SB/08A and PTO/SB/08B is apparent from their disclosure.

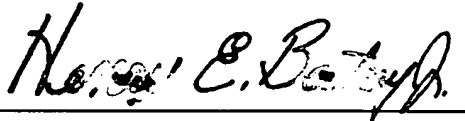
The Examiner is respectfully requested to initial a copy of the attached forms PTO/SB/08A and PTO/SB/08B to show consideration of the publications, and to return the initialed forms to the undersigned Attorney for Applicants.

Applicants note that although the cited references may be relevant to the examination of the above-referenced application, the filing of this Statement is not an admission that the information cited in the statement is, or is considered to be, prior art or material to patentability as defined in § 1.56(b).

Applicants believe that a fee of \$180.00 is required in connection with this Information Disclosure Statement. . The United States Patent and Trademark Office is hereby authorized to charge such a fee to Deposit Account No. 02-1065. The United States Patent and Trademark Office is also hereby authorized to refund any overpayment or charge any deficiency in such fee to Deposit Account No. 02-1065. A duplicate copy of this Information Disclosure Statement is transmitted herewith.

Respectfully submitted,

DENNIS P. CURRAN et al.

By 

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Atty Dock No.: 02-028

ANALOGS OF DISCODERMOLIDE AND DICTYOSTATIN-1, INTERMEDIATES THEREFOR AND METHODS OF SYNTHESIS THEREOF

Sir:

I hereby certify that the attached **INFORMATION DISCLOSURE STATEMENT** and any documents referred to as enclosed therewith are being deposited with the United States Postal Service on this date **NOVEMBER 9, 2005**, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EL903357119US** addressed to the: Mail Stop Amendment, Commissioner for Patents. P. O. Box 1450, Alexandria, VA 22313-1450

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/655,916
Filing Date	SEPTEMBER 5, 2003
First Named Inventor	DENNIS P. CURRAN
Art Unit	1625
Examiner Name	BA K TRINH
Attorney Docket Number	02-028

Sheet	1	of	4
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1 ^o
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B1	WO 01/62239	08-30-2001	WRIGHT		
	B2	EP 0 680 958	11-08-1995	UNIV. ARIZONA		
	B3	WO 2004/022552 **	09-05-2003	UNIV. OF PITTSBURGH	** SEARCH REPORT, EXAMINATION REPORT OF THE PCT	
		**INTERNATIONAL APPLICATION CORRESPONDING TO PRESENT PATENT APPLICATION			** WRITTEN OPINION	
	B4	WO 02/12220	02-14-2002	NOVARTIS....		
	B5	WO 02/057251	07-25-2002	NOVARTIS....		

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/655,916		
		Filing Date	SEPTEMBER 5, 2003		
		First Named Inventor	DENNIS P. CURRAN		
		Art Unit	1625		
		Examiner Name	BA K TRINH		
Sheet	2	of	4	Attorney Docket Number	02-028

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	NERENBERG, J. B. et.al. Total synthesis of the immunosuppressive agent (-)- discodermolide. J. Am. Chem. Soc. 1993, 115, 12621-12622	
	C2	SMITH, A. B. et.al.; Total Synthesis of (-)- Discodermolide. J. Am. Chem. Soc. 1995, 117, 12011-12012	
	C3	MARSHALL, J. A. et.al.; Total synthesis of (+)-discodermolide. J. Org. Chem. 1998, 63, 7885-7892	
	C4	PATERSON, I. et.al; Total synthesis of the antimicrotubule agent (+)-discodermolide using boron mediated aldol reactions of chiral ketones. Angew. Chem., Int. Ed. Eng. 2000, 39, 377-380	
	C5	PATERSON, I. et.al.; Synthesis of (+)-discodermolide and analogues by control of asymmetric induction in aldol reactions of gamma-chiral (Z)-enals. Tetrahedron Lett. 2000, 41, 6935-6939	
	C6	ROUSH, W. R. et.al.; Asymmetric synthesis using tartrate modified allyl boronates. 2. Single and double asymmetric reactions with alkoxy-substituted aldehydes, J. Org. Chem. 1990, 55, 4117-4126	
	C7	PATERSON, I. et.al.; A practical synthesis of (+)-discodermolide and analogues: Fragment union by complex aldol reactions. J. Am. Chem. Soc. 2001, 123, 9535-9544	
	C8	MARTELLO, L. A. et al. The relationship between taxol and (+)-discodermolide: synthetic analogs and modeling studies. Chemistry Biol. 2001, 8, 843-855	
	C9	HARRIED, S. et.al. Total Synthesis of (-)-Discodermolide: An Application of a Chelation-Controlled Alkylation Reaction. J. Org. Chem. 1997, 62, 6098-6099	
	C10	EVANS, D. A. et.al.. Diastereoselective magnesium halide-catalyzed anti-aldol reactions of chiral N-acyloxazolidinones. J. Am. Chem. Soc. 2002, 124, 392-393	

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Examiner Name	BA K TRINH		
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Sheet	3	of	4

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	C11	PETTIT, G. R. et. al; Isolation and structure of the cancer cell growth inhibitor dictyostatin 1. J. Chem. Soc., Chem. Commun. 1994, 1111-1112	
	C12	CAS ONLINE, STN, Columbus, Ohio, USA, 135: 371269, RN 374568-47-5	
	C13	DAY, B. W., et.al; Convenient syntheses of (2R,3S,4R)-3-(tert-butyldimethylsilyloxy)-2,4-dimethyl-5-oxopentanoic acid methoxymethyl-amide from methacrolein. Preparation of C1-C7 and C17-C24 fragments of (+)-discodermolide. Tetrahedron Asymmetry 2002, 13, 1161-1165.	
	C14	CLARK, D. L. et. al.; Studies on the alkylation of chiral enolates: application toward the total synthesis of discodermolide. J. Org. Chem. 1993, 58 5878-5879	
	C15	SMITH, A. B.. et al. Evolution of a gram-scale synthesis of (+)-discodermolide. J. Am. Chem. Soc. 2000, 122, 8654-8664	
	C16	HEATHCOCK, C. H.et.al.; Acyclic stereoselection-13; Aryl esters: reagents for threo-aldolization. Tetrahedron 1981, 37, 4087-4095.	
	C17	PATERSON, I.et.al.; A. Studies towards the total synthesis of the marine-derived immunosuppressant discodermolide: stereoselective synthesis of a C9-C24 subunit. Synlett. 1995, 498-500.	
	C18	KOCOVSKY, P. Carbamates: a method of synthesis and some synthetic applications. Tetrahedron Lett. 1986, 27 5521-5524	
	C19	FUJIWARA et. al. Synthesis of the Tetrahydropyran Part of a Marine Toxin Polycavernoside-A. Chemistry Letters. 1994, pages 2147-2150.	
	C20	CAS ONLINE, STN, Columbus, Ohio, USA, 124: 86679, RN 172269-30-6P	

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Sheet 4	of 4	Attorney Docket Number	02-028

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	C21	CAS ONLINE, STN, Columbus, Ohio, USA, 66: 94583, RN 16078-24-3P	

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